

## 2. Brian

**Program Name:** Brian.java

**Input File:** brian.dat

Sun Microsystems released the first version of Java in 1995. Since then, Java has become one of the most widely-used programming languages worldwide, seeing frequent use in both academia and industry. The language has evolved continuously since then. Java 5 introduced generics, which made it possible to write more general data structures, and Java 8 introduced lambda functions. As of September 2019, the latest version of Java is Java 12.

Brian is a Java programmer, and wonders what version of Java he'll be using in the future. To simplify his predictions, he assumes that Java 0 came out in 1995, Java 12 came out in 2019, and that Java has a regular release cycle. Given a year, can you calculate what version of Java he'll be using?

**Input:** The first line of input has an integer T, the number of test cases. Each test case has a single line with a four-digit number, the year Brian is interested in. All years will be greater than or equal to 1995, but before the year 3000.

**Output:** For each test case, output the line "**In the year YEAR, Brian will be coding in Java x!**", where YEAR is the value given as input and X is the version of Java he expects to use. Use future tense even if the year is in the past.

**Sample Input:**

```
5
1995
2019
2010
2025
2100
```

**Sample Output:**

```
In the year 1995, Brian will be coding in Java 0!
In the year 2019, Brian will be coding in Java 12!
In the year 2010, Brian will be coding in Java 7!
In the year 2025, Brian will be coding in Java 15!
In the year 2100, Brian will be coding in Java 52!
```